



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Am

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/668,110	09/22/2000	Mark E. Kriegsman	CLE-101	9580

26161 7590 06/24/2005

FISH & RICHARDSON PC
225 FRANKLIN ST
BOSTON, MA 02110

EXAMINER

BAYARD, DJENANE M

ART UNIT PAPER NUMBER

2141

DATE MAILED: 06/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/668,110

Applicant(s)

KRIEGSMAN ET AL.

Examiner

Djenane M. Bayard

Art Unit

2141

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 and 19-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 19-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The amendment filed 11/24/04 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: A method for updating webpages stored in a plurality of caches, each cache being associated with a corresponding cache server, said method comprising: Implementing a first programmable rule defining a first triggering event associated with a first cache, the occurrence of which is indicative of an obsolete portion of said a web-page in the first cache; implementing a second programmable rule defining a second triggering event associated with a second cache, the occurrence of which is indicative of an obsolete portion of a web page in the second cache, the second triggering event being different from the first triggering event; detecting an occurrence of one of the first and second triggering events; in response to the occurrence of the detected triggering event, requesting an update of a corresponding obsolete portion; and receiving an updated portion of said web-page for storage in the cache associated with the detected triggering event.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

Art Unit: 2141

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 1, 13 and 19 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The added material which is not supported by the original disclosure is as follows: a second programmable rule defining a second triggering event associated with a second cache, the occurrence of which is indicative of an obsolete portion of a web page in the second cache, the second triggering event being different from the first triggering event; detecting an occurrence of one of the first and second triggering events;

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-3, 5, 8-10, 13, 19-21, 23,26 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,256,712 to Challenger et al.

a. As per claim 1 and 19, Challenger et al teaches a method for enabling the generation of an updated web-page in a cache, said method comprising: a method for updating webpages stored in a plurality of caches, each cache being associated with a corresponding cache server (See col. 8, lines 46-50), said method comprising: Implementing a first programmable rule defining a first triggering event associated with a first cache, the occurrence of which is indicative of an obsolete portion of said a web-page in the first cache (See col. 29, lines 20-23); implementing a second programmable rule defining a second triggering event associated with a second cache, the occurrence of which is indicative of an obsolete portion of a web page in the second cache, the second triggering event being different from the first triggering event (See col. 28, lines 20-62) detecting an occurrence of one of the first and second triggering events; in response to the occurrence of the detected triggering event, requesting an update of a corresponding obsolete portion; and receiving an updated portion of said web-page for storage in the cache associated with the detected triggering event (See col. 28, lines 63-67 and col. 29, lines 1-51).

b. As per claim 13, Challenger et al teaches a web-serving system comprising: a first cache server having a first cache memory; a second cache server having a second cache memory; and a cache manager in communication with said cache memory for controlling said content of said cache memory (See col. 8, lines 46-47); a first cache manger in communication with said first

Art Unit: 2141

cache memory for controlling content of said first cache memory, said first cache manager being configured to execute a first programmable script for detecting the occurrence of a triggering event, and in response to detection of said first triggering event, causing said first cache manager to request and update of said content said first cache memory (See col. 29, lines 20-63); and a second cache manger in communication with said second cache memory for controlling content of said second cache memory, said second cache manager being configured to execute a second programmable script for detecting the occurrence of a second triggering event, and in response to detection of said second triggering event, causing said second cache manager to request an update of said content of said second cache memory; wherein said triggering event is different from said second triggering event. (See col. 28, lines 63-67 and col. 29, lines 1-51).

c. As per claims 2 and 20 Challenger et al teaches generating a web-page incorporating said updated portion therein and serving said web-page to a user (See col. 9, lines 2-8).

d. As per claims 3 and 21, Challenger et al teaches wherein implementing said first programmable rule comprises interpreting a script containing instructions for defining said rule (See col. 8, lines 12-22).

e. As per claims 5 and 23, Challenger et al teaches wherein detecting said first triggering event comprises detecting the receipt of an updated portion of said web-page (See col. 2, lines 59-60).

f. As per claims 8 and 26, Challenger et al teaches wherein requesting an update comprises establishing communication with an origin server and requesting said update therefrom (See col. 30, lines 25-27), and receiving an updated portion comprises receiving said updated portion from said origin server (See col. 8, lines 17-20). (Cache manager is located at the origin server, See col. 7, lines 42-44).

g. As per claim 9, Challenger et al teaches wherein comprising a cache memory element separate from said origin server (See col. 7, lines 12-14)).

h. As per claim 10, Challenger et al teaches comprising a cache memory element at said origin server (See col. 7, lines 8-11).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 4 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S.

Patent No. 6,256,712 to Challenger et al in view of U.S. Patent No. 6,337,696 to Lindhorst et al

a. As per claims 4 and 22, Challenger et al teaches the claimed invention as described above. However, Challenger et al fails to teach wherein detecting said triggering event comprises detecting an elapsed time defined by said programmable rule.

Lindhorst et al teaches a system and method for facilitating generation and editing of event handlers. Furthermore, Lindhorst et al teaches wherein detecting said triggering event comprises detecting an elapsed time defined by said programmable rule (See col. 2, lines 59-61)

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate detecting said triggering event comprises detecting an elapsed time defined by said programmable rule as taught by Lindhorst et al in the claimed invention of Challenger et al in order to initiate and run the corresponding event handling software on the computer system (See col.2, lines 56-58)

8. Claims 6 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,256,712 to Challenger et al in view of U.S. Patent No. 6,337,696 to Nashed.

a. As per claims 6 and 24, Challenger et al teaches the claimed invention as described above. However, Challenger et al fails to teach wherein requesting an updated portion of said web-page comprises formulating a database query to be carried out by a database engine.

Nashed teaches a method and system for searching indexed information databases with automatic user registration via a communication network. Furthermore, Nashed teaches wherein

Art Unit: 2141

requesting an updated portion of said web-page comprises formulating a database query to be carried out by a database engine (See col. 9, lines 11-17)

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein requesting an updated portion of said web-page comprises formulating a database query to be carried out by a database engine as taught by Nashed in the claimed invention of Challenger et al in order to provide the new web page (See col. 9, line 18).

9. Claims 7 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,256,712 to Challenger et al in view of U.S. Patent No. 6,449,636 to Kredo et al.

a. As per claims 7 and 25, Challenger et al teaches the claimed invention as described above. However, Challenger et al fails to teach wherein said web-page comprises, in addition to said updated portion, a plurality of constituent portions and said method further comprises providing an assembly script containing instructions for assembling said constituent portions and said updated portion into said web-page.

Kredo et al teaches a system and method for creating a dynamic data file from collected and filtered web pages. Furthermore, Kredo et al teaches wherein said web-page comprises, in addition to said updated portion, a plurality of constituent portions and said method further comprises providing an assembly script containing instructions for assembling said constituent portions and said updated portion into said web-page (See col. 4, lines 15-19)

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate said web-page comprises, in addition to said updated portion, a plurality

Art Unit: 2141

of constituent portions and said method further comprises providing an assembly script containing instructions for assembling said constituent portions and said updated portion into said web-page as taught by Kredo et al in the claimed invention of Challenger et al in order to extract information and incorporate the extracted information in a single web page (See col. 1, lines 18-20).

10. Claims 11-12 and 27-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,256,712 to Challenger et al in view of U.S. Patent No. 6,633,874 to Nusbickel.

a. As per claims 11 and 27, Challenger teaches the claimed invention as described above. However, Challenger et al fails to teach wherein collecting access-data indicative of how frequently said web-page is requested.

Nusbickel teaches a method for improving the performance of a web service by caching the most popular (real-time) information. Furthermore, Nusbickel teaches collecting access-data indicative of how frequently said web-page is requested (See col. 4, lines 51-56)

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate collecting access-data indicative of how frequently said web-page is requested as taught by Nusbickel in the claimed invention of Challenger et al in order to update the list stored in the database of most popular headings to cache based on access count information (See col. 4, lines 59-61).

b. As per claim 12 and 28, Challenger et al teaches the claimed invention as described above. However, Challenger et al fails to teach managing the content of said cache in response to said access-data.

Nusbickel teaches a method for improving the performance of a web service by caching the most popular (real-time) information. Furthermore, Nusbickel teaches managing the content of said cache in response to said access-data (See abstract, lines 8-10).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate managing the content of said cache in response to said access-data as taught by Nusbickel in the claimed invention of Challenger et al in order to keep the most commonly access information in cache (See col. 1, line 60).

11. Claims 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,256,712 to Challenger et al in view of U.S. Patent No. 6,633,874 to Nusbickel.

a. As per claim 14, Challenger et al teaches the claimed invention as described above. However, Challenger et al fails to teach wherein a usage-monitor for collecting access-data indicative of the frequency with which a selected web-page is requested.

Nusbickel teaches the Nusbickel teaches a method for improving the performance of a web service by caching the most popular (real-time) information. Furthermore, Nusbickel teaches wherein a usage-monitor for collecting access-data indicative of the frequency with which a selected web-page is requested.(See col. 4, lines 51-56

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate a usage-monitor for collecting access-data indicative of the frequency with which a selected web-page is requested as taught by Nusbikel in the claimed invention of Challenger et al in view of Teoman in order to update the list stored in the database of most popular headings to cache bases on access account (See col. 4, lines 59-61)

b. As per claim 15, Challenger et al teaches the claimed invention as described above. However, Challenger et al teaches fails to teach wherein said usage-monitor provides said access data to said programmable script, and said programmable script alters said content of said cache memory in response to said access-data.

Nusbickel teaches a method for improving the performance of a web service by caching the most popular (real-time) information. Furthermore, Nusbickel teaches wherein said usage-monitor provides said access data to said programmable script (See col. 4, lines 51-56) and said programmable script alters said content of said cache memory in response to said access-data (See col. 3, lines 60-64 and See col. 2, lines 21-24).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate teach wherein said usage-monitor provides said access data to said programmable script, and said programmable script alters said content of said cache memory in response to said access-data as taught by Nusbickel in the claimed invention of Challenger et al in order to return information to the end-user the quickest way (See col. 1, lines 44-45).

Art Unit: 2141

12. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,256,712 to Challenger et al in view of U.S. Patent No. 6,463,509 to Teoman et al as applied to claim 13 above, and further in view of U.S. Patent No. 6,539,538 to Brewster et al.

a. As per claim 16, Challenger et al in view of Teoman teaches the claimed invention as described above. However, Challenger et al in view of Teoman fails to teach a communication path between said programmable script and an administrator process, said communication path enabling said programmable script to receive instructions from said administrator process.

Brewster et al teaches an intelligent information routing system and method. Furthermore, Brewster et al teaches a communication path between said programmable script and an administrator process, said communication path enabling said programmable script to receive instructions from said administrator process (See col. 5, lines 28-31).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate a communication path between said programmable script and an administrator process, said communication path enabling said programmable script to receive instructions from said administrator process as taught by Brewster et al in the claimed invention of Challenger et al in view of Teoman in order to download new scripts to the script interpreter engine. (See col. 5, lines 31-32)

13. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,256,712 to Challenger et al and further in view of U.S. Patent No. 6,449,636 to Kredo et al.

As per claim 17, Challenger et al teaches the claimed invention as described above. However, Challenger et al fails to teach wherein said web-page comprises, in addition to said updated portion, a plurality of constituent portions and said method further comprises providing an assembly script containing instructions for assembling said constituent portions and said updated portion into said web-page.

Kredo et al teaches a system and method for creating a dynamic data file from collected and filtered web pages. Furthermore, Kredo et al teaches wherein said web-page comprises, in addition to said updated portion, a plurality of constituent portions and said method further comprises providing an assembly script containing instructions for assembling said constituent portions and said updated portion into said web-page (See col. 4, lines 15-19)

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate said web-page comprises, in addition to said updated portion, a plurality of constituent portions and said method further comprises providing an assembly script containing instructions for assembling said constituent portions and said updated portion into said web-page as taught by Kredo et al in the claimed invention of Challenger et al in order to extract information and incorporate the extracted information in a single web page (See col. 1, lines 18-20).

Conclusion

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Djenane M. Bayard whose telephone number is (571) 272-3878. The examiner can normally be reached on Monday- Friday 5:30 AM- 3:00 PM..


Art Unit: 2141

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Djenane Bayard

Patent Examiner


RUPAL DHARIA
SUPERVISORY PATENT EXAMINER